Work Ord February 4, 201											Page 1
Item ID: Revision ID:	D4027-043		. ,	Accept				S	Setup Star		
Item Name:	Hose Clamp As	ssembly							Sto	?	
Start Date: Required Date	2/04/10 : 2/11/10	Start Qty: 2.00 Req'd Qty: 2.00			Cust Item Customer						
Reference:		11						1	Run Sta	rt 	
Approvals:	Process Plan	n:	Date: 16-2-09	Tooling:	I	Date:					
	QC:	. (Date:	SPC (Y/N):		Date:			Sto	P	
Sequence ID/ Work Center I		Operation Description		Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revi	sion Nbr									
D4027	A-PR	RELIM									
100 Small Fab		Memo		0.00	,						
Small Fab	ί	2 patel	57 contact adh	6 8.5	M-h 6,	/o 8/3	SO			·	·
QC Ouality Control		QC5- Inspect part comp	leteness to step on W/O		olos/30 No to ten asco Dy	A	Q				

120

Packaging

Quality Control

Packaging

Identify as per dwg & Stock Location: 451

0.00

Memo

0.00

PRELIMINARY ISSUE

Dart Aerospace Ltd	Dart	Aer	osp	ace	Ltd
--------------------	------	-----	-----	-----	-----

Dart Ae	rospace Ltd						7	1
W/O:			WORK ORDER	CHANGES				
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			- 1944					
					<u></u>			
Part No):	PAR #:	Fault Category:	NCR: Ye	s No DQ	A :	Date:	
	Resolution	n:	Disposition:	QA: N/C	Closed:		Date: _	
NCR:			WORK ORDER NON-CON	FORMANCE (NO	CR)			

NCR:			WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B	·	Verification	Annuard	Annessal						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector						
														

Work Order ID 55897



Page 2

February 4, 2010 8:48:11 AM

Item ID:

D4027-043

Revision ID:

Item Name:

Hose Clamp Assembly

Start Date: 2/04/10

Start Qty: 2.00

Req'd Qty: 2.00

Operation

Description



Accept

Cust Item ID:

Customer:

Run

Setup Start

Stop

Required Date: 2/11/10

Reference:

Approvals:

Process Plan:

QC:

Date:

Date: _____

SPC (Y/N):

Tooling:

Set Up/

Run Hours

Draw

Number

Draw Rev.

Date:

Date:

Plan Code Accept **Qty**

Reject Qty

Start

Stop

Reject Insp. Number

Stamp

Sequence ID/ Work Center ID

130

Quality Control

Memo

OC21- Final Inspection - Work Order Release

0.00

0.00

10/08/3, CZ10/8/31

PELEASED _____ DATE 10 0631

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PR	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cat	egory:	NCR: Yes	No DQA	•	Date:	
	Re	solution:	Dispositi	on:	_ QA: N/C (Closed:		Date: _	
NCR:			WORK ORI	DER NON-CONFORMA	NCE (NC	R)			
DATE	STEP Description of NC Section A		Section A Initial Action Des		on B Sign Date			Approval Chief Eng	Approval QC Inspector
				Chief Eng			:		
		. , , , , , , , , , , , , , , , , , , ,							

Picklist Print

February 4, 2010 8:48:15 AM

Work Order ID: 55897

D4027-043

Parent Item Name: Hose Clamp Assembly

Comments:

Parent Item:

IPP rev A 10.02.01 new issue Prelim EC verified by:JLM



Start Date: 2/04/10

Required Date: 2/11/10

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN743-13		Purchased	No				Each	20.0000	2.0000			
		1 41 0114504										

BRACKET

Nut

bid lend.	Warehouse	Loc Qty	Loc Code	
	Location	М	113706	
	Main Warehouse	. (Sx 10/04/14 D
	ST329	20		Do 100414 9
	113706	20		-
D4027-3 Manufactured	No	Each	0.0000 2.0000	
) (8 8 1/10 8/21)			B 55 Gb	Con 10/04/14 (2)
Hose Clamp				50, 101
D4027-7 D $4027-5$ Manufactured	No	Each	0.0000 2.0000	
G (0.08.36			B55888	56 11/46
Rubber Cushion .			353819	- 8) 10/04/19 (1)
MS21042L06 Purchased	No	Each	190.0000 2.0000	m/L 10/08/30(XX)
<u> </u>				75 - 7 - 5 / 1 - 5 / 1

Warehouse	Loc Qty	Loc Code		
Location				
Main Warehouse				
ST	190			
109167	2			
110123	9		 _	1,1,0
110731	14		 \subseteq	10/04/14(1)
111548	1		85	
112433	64			
112465	100			

Dart	Aeros	space	Ltd
------	-------	-------	-----

									v
W/O:		,	WC	RK ORDER CHANGI	ES				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			17 10 10 10 10 10 10 10 10 10 10 10 10 10						
Part No):	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date: _	
	R	esolution:	Disposition	າ:	QA: N/C C	losed:		Date: _	
NCR:			WORK ORDE	ER NON-CONFORMA	NCE (NC	7)	P		
DATE	STEP	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign and Date	Section C		Chief Eng	QC Inspector
				•					
	_								
									-
				· · · · · · · · · · · · · · · · · · ·					
1	1	l .	- I		ı	1		1	1

February 4, 2010 8:48:15 AM

Work Order ID: 55897

Parent Item:

D4027-043

Comments:

Parent Item Name: Hose Clamp Assembly

IPP rev A 10.02.01 new issue Prelim EC verified by:JLM

No

Start Date: 2/04/10

Required Date: 2/11/10

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS24693-S28		Purchased	No				Each	173.0000	2.0000			

Screw

Warehouse	Loc Qty	Loc Code			
Location					
Main Warehouse					1.1/110
ST	173			\sim	10/04/14 0
11334	96			01	
4824	29		_ン		
8170	48				'n
	Each	90.0000 2.0000			

NAS1149DN632J Purchased

Washer

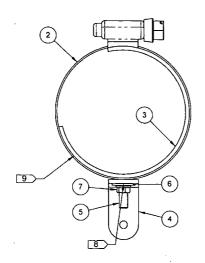
Warehouse	Loc Oty	Loc Code			
Location					
Main Warehouse					
ST	90				
112794	90				

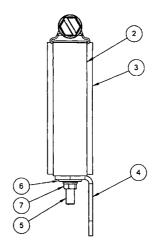
2 Ss color/140

W/O:	<u>.</u>		V	ORK ORDER CHAN	GES				<u> </u>		
DATE				OCEDURE CHANGE		Da	nte Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
		·									
Part No):	PAR #:	Fault Cat	legory:	NCR: Ye	es No	DQA:	Date: _			
		1			QA: N/C Cld						
NCR:		,	WORK ORI	DER NON-CONFORM	MANCE (N	CR)					
DATE	STEP	Description of NC	Description of NC Corrective Act		ve			erification Approval A			
DATE	Sec	Section A	Initial Chief Eng	Action Description Chief Eng		n & ' ite	Section C	Chief Eng	Approval QC Inspector		
					·						
					<u></u>						
					ļ						
								1			

•		/	. •	5		
ITEM NO.	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER		
1 X		D4027-043	VENT CLAMP ASSEMBLY	JCA-M47-2-35		
2	1_	D4027-3	HOSE CLAMP			
3	1	D4027-7	RUBBER CUSHION			
4	1	D4027-9	BRACKET, SUPPORT CLAMP			
5	1	MS24693S28	SCREW			
6	1	NAS1149DN632J	WASHER			
7	1	MS21042L09	NUT			







D4027-043 VENT CLAMP ASSEMBLY



DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4027-043" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.06 lbs
8) ATTACH D4027-9 BRACKET USING MS24693S28 SCREW, MS21042L06 NUT AND NAS1149DN632F WASHER
9) GLUE D4027-7 RUBBER CUSHION TO D4027-3 CLAMP USING 3M CONTACT CEMENT IN POSITION AS SHOWN

MFG. APPR. APPROVED DE APPR. DATE 10.04.16

DESIGN

DRAWN

CHECKED

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3

5 3 2 DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER REF JCA-M47-2-20 D4027-1 D Ø3.06 - 4.00 Ø0.140 0.56 REF В D4027-1 HOSE CLAMP NOTES:
1) MATERIAL: MADE FROM QS200M56S
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4027-1" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.05 lbs
8) DRILL Ø0.140 HOLE AS SHOWN OPPOSITE WORM DRIVE SCREW, DIMPLE HOLE FROM INSIDE FOR MS24693S28 SCREW DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA CHECKED DRAWING NO. REV. A D4027 MFG. APPR. SHEET 3 OF 7 APPROVED TITLE SCALE CLAMP DE APPR NTS COPYRIGHT © 2010 BY DART AEROSPACE LTD
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10.04.16

3

4 3 2 DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER D4027-3 REF JCA-M47-2-35 D Ø1.81 - 2.75 Ø0.140 0.56 REF **D4027-3 HOSE CLAMP** NOTES:
1) MATERIAL: MADE FROM QS200M36S
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4027-3" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.05 lbs
8) DRILL Ø0.140 HOLE AS SHOWN OPPOSITE WORM DRIVE SCREW, DIMPLE HOLE FROM INSIDE FOR MS24693S28 SCREW DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED REV. A D4027 MFG. APPR. SHEET 4 OF 7 TITLE APPROVED SCALE CLAMP DE APPR. NTS COPYRIGHT © 2010 BY DART AEROSPACE LTD

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